



HaCaT | 300493

**Tumorigenic**

**Karyotype** ( )

**Culture Medium** DMEM, w: 4.5g/L , w: 4mM L- , w: 3.7g/L NaHCO<sub>3</sub>, w: 1.0mM ( 820300a)

**Supplements** 10% FBS

**Dissociation Reagent** Ca<sup>2+</sup> Mg<sup>2+</sup> PBS EDTA( : 0.05%) ( : 0.1%) 1:1 .

**Doubling time** HaCaT 2 28 .

**Subculturing**

1. :
2. : (PBS) 3~5ml T25 , 5~10ml T75 .
3. **EDTA** : 0.05% EDTA . T25 1-2ml, T75 2.5ml .
4. : 37°C 10 .
5. **/EDTA** , /EDTA (0.05% , 0.025% EDTA) TrypLE Express . T25 .
6. : 1~5 .
7. : (FBS) .
8. :

**Split ratio** A ratio of 1:5 to 1:10 is recommended

**Seeding density** 1 x 10<sup>4</sup> /cm<sup>2</sup>

**Fluid renewal** 2

**Freeze medium** (FBS ) + 10% DMSO , CM-1(Cytion 800100)

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**Thawing and Culturing Cells**

1. .
2. -150°C , 3 .
3. 37°C 40~60 .
4. , 70% .
5. 8ml 15ml .
6. 300 x g 3 .
7. 10ml . T25 , T25
8. .

**Incubation Atmosphere**

37°C, 5% CO<sub>2</sub>

**Flask Coating**

**Freezing Procedure**

-78°C

**Shipping Conditions**

-78°C

**Storage Conditions**

-150°C -196°C .80°C

/ / HLA

**Sterility**

PCR

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**STR**

**Amelogenin:** x,x  
**CSF1PO:** 9,11  
**D13S317:** 10,12  
**D16S539:** 9,12  
**D5S818:** 12  
**D7S820:** 9,11  
**TH01:** 09. Mrz  
**TPOX:** 11,12  
**vWA:** 16,17  
**D3S1358:** 16  
**D21S11:** 28,30.2  
**D18S51:** 12  
**Penta E:** 7,12  
**Penta D:** 11,13  
**D8S1179:** 14  
**FGA:** 24  
**D1S1656:** 11,12  
**D2S1338:** 17,25  
**D12S391:** 18,23  
**D19S433:** 13,14

**HLA**

**A\*:** '31:01:02  
**B\*:** '40:01:02, '51:01:01  
**C\*:** '03:04:01, '15:02:01  
**DRB1\*:** '04:01:01, '15:01:01  
**DQA1\*:** '01:02:01, '03:03:01  
**DQB1\*:** '03:01:01, '06:02:01  
**DPB1\*:** '03:01:01, '04:01:01  
**E:** '01:03:01, '01:03:02